

ALASKA FIRE SCIENCE CONSORTIUM



A JFSP KNOWLEDGE EXCHANGE CONSORTIUM



<http://akfireconsortium.uaf.edu>



THE ALASKA FIRE SCIENCE CONSORTIUM

Boundary Organization for Better Collaboration
Between Fire Science and Fire Management

Sarah Trainor, PI

Scott Rupp, Co-PI

Alison York, Coordinator

Randi Jandt, Fire Ecologist

Jen Northway, Coordinator Emeritus





FIRESCIENCE.GOV
Research Supporting Sound Decisions

14 Regional Science Delivery Consortia



http://www.firescience.gov/JFSP_Consortia.cfm

Alaska Fire Science Consortium

...working together to bridge the gap in fire science delivery and outreach

Primary Goals:

- Coordinate current science delivery efforts
- Facilitate communication between scientists & agency land/fire managers
- Create formal outreach mechanisms for effectively delivering fire science information
- Work with managers to ensure delivery is practical and useful for agencies

Advisory Board and Staff

STAFF:

Sarah Trainor, UAF
Consortium PI

Scott Rupp, UAF
Consortium Co-PI

Alison York, UAF
Consortium Coordinator

Randi Jandt, UAF
Fire Ecologist
Science-Management Liaison

BOARD:

Sharon Alden, NPS
Fire Weather Program Manager

Jennifer Barnes, NPS
Regional Fire Ecologist

Eric Geisler, BLM
Forestry/Soils Lead

Marsha Henderson, Alaska DOF
Fire Planner

Teresa Hollingsworth, USFS
Research Ecologist

Mary Lynch, BLM-AFS- retired

Eric Miller, BLM-AFS
Fire Ecologist

Jen Northway, NPS
Fire Ecologist

Diana Olson, UI-FRAMES
FRAMES Project Manager

Lisa Saperstein, USFWS
Regional Fire Ecologist

Kato Howard, BLM-AFS
State Fuels Management



Consortium Webpage

- Individual project pages
- Post new publications
- Download recorded webinars & presentations
- Upcoming Events Calendar

Want to Participate?

Contacts:

Alison York, ayork@alaska.edu

Randi Jandt, rjandt@alaska.edu

<http://akfireconsortium.uaf.edu>

Alaska Fire Science Consortium
A JFSP Knowledge Exchange Consortium

AFSC Home About Events Library Partner Groups Products & Tools Projects

FRAMES Home

Letters of Support
Submitting a JFSP proposal? Contact us for help with your outreach and science delivery plan. [READ MORE >>](#)

Featured Reports
In a Time of Change: The Art of Fire
2013 JFSP Funding Opportunities

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Fire Science News & Highlights

Webinar Dec 20th- What is Live Fuel Moisture? A New Look at the Combustion of Live Plants
Wednesday, December 12, 2012
Date: Thursday, December 20, 2012 Time: 10:00 - 11:30 AM (AK Time) Presented by: Matt Jolly, PhD Research Ecologist, USFS Fire, Fuel and Smoke Science Program
Missoula Fire Sciences Laboratory Live fuel moisture is measured frequently throughout th...

Upcoming Alaska Events:

Fire Science Webinars:
[Webinar - Management of](#)

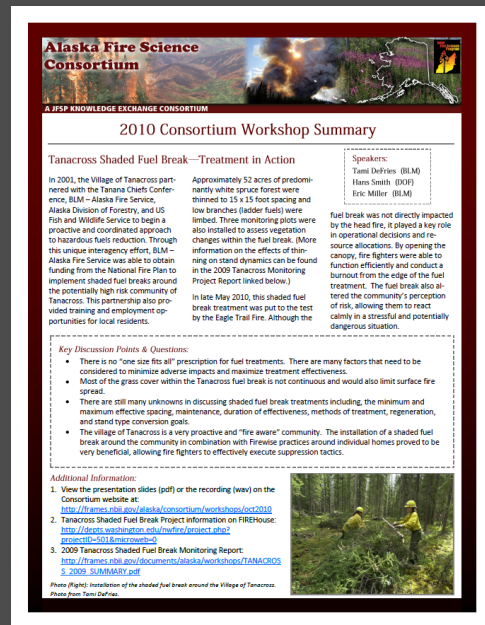
Presentation Archive

...a great center for learning, save on travel budgets, advance your career

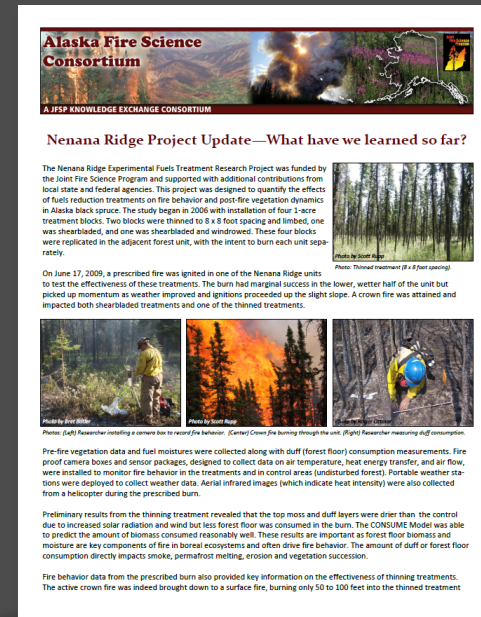
- ◉ Selected presentations from Smoke Management (RX 410), **Roger Ottmar**
- ◉ Experimental Seasonal Fire Forecasts for Alaska, **Paul Duffy**
- ◉ Scope of Deliverables and Product Schedule for Alaska LANDFIRE, **Kurtis Nelson**
- ◉ Modeling Fire Behavior with LANDFIRE in Alaska, **Laurie Kurth/Brian Sorbel**
- ◉ Fire Behavior Fuel Models (FBFM), Canadian, Canopy Bulk Density (CBD), Canopy Base Height (CBH), and Canopy Cover (CC)—**Matt Reeves**
- ◉ Effectiveness Monitoring of Fuel Treatments in Southwest Yukon, **Brad Hawkes**
- ◉ Ecological Systems Vegetation Mapping Classification, **Don Long**
- ◉ Fire and forest dynamics in northern boreal forests, **Jill Johnstone**
- ◉ Climate change in Alaska, **Scott Rupp**
- ◉ Fire mapping methods using SAR, **Hilary Rigby**
- ◉ Nenana Ridge Research Burn: Structure and Costs, **Robert Schmoll**
- ◉ Reconstructing fire regimes in tundra ecosystems to inform a management-oriented ecosystem model, **Jennifer Barnes**
- ◉ Tundra fire regimes of Alaska: the Holocene perspective, **Phil Higuera**

- Fire Science Highlights—tailored for Alaska
- Webinars
- Fire Science Workshop in the fall
- Field trips: Demo products & tools in the field

Newsletters



Research Summaries/ Factsheets



Submit project updates, new publications, or feature your project

2012 Accomplishments:

Webinars

- Live Fuel Moisture: A New Look at the Combustion of Living Plants
- Tundra Burning in Alaska: Rare Events or Harbinger of Climate Change?
- Once Burned, Twice Shy: Repeat Fires Result in Black Spruce Regeneration Failure



Hands-on Workshops

- Fire Modeling Workshop, March
- Fuel Moisture Sampling Workshop, May
- Fire Science Workshop, October

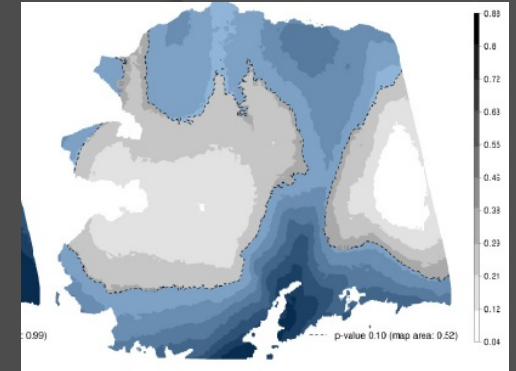
And

- **Art of Fire** project—received National Recognition
- Letters of support for researchers seeking grant funding
- Publication on fire science knowledge exchange (Trainor)
- Newsletters, tweets, announcements
- “Help desk” to facilitate science-management partnerships
- Maintained regional fire science reference database
- Posters and presentations at Assn. Fire Ecology Conference, others



Ongoing collaborations:

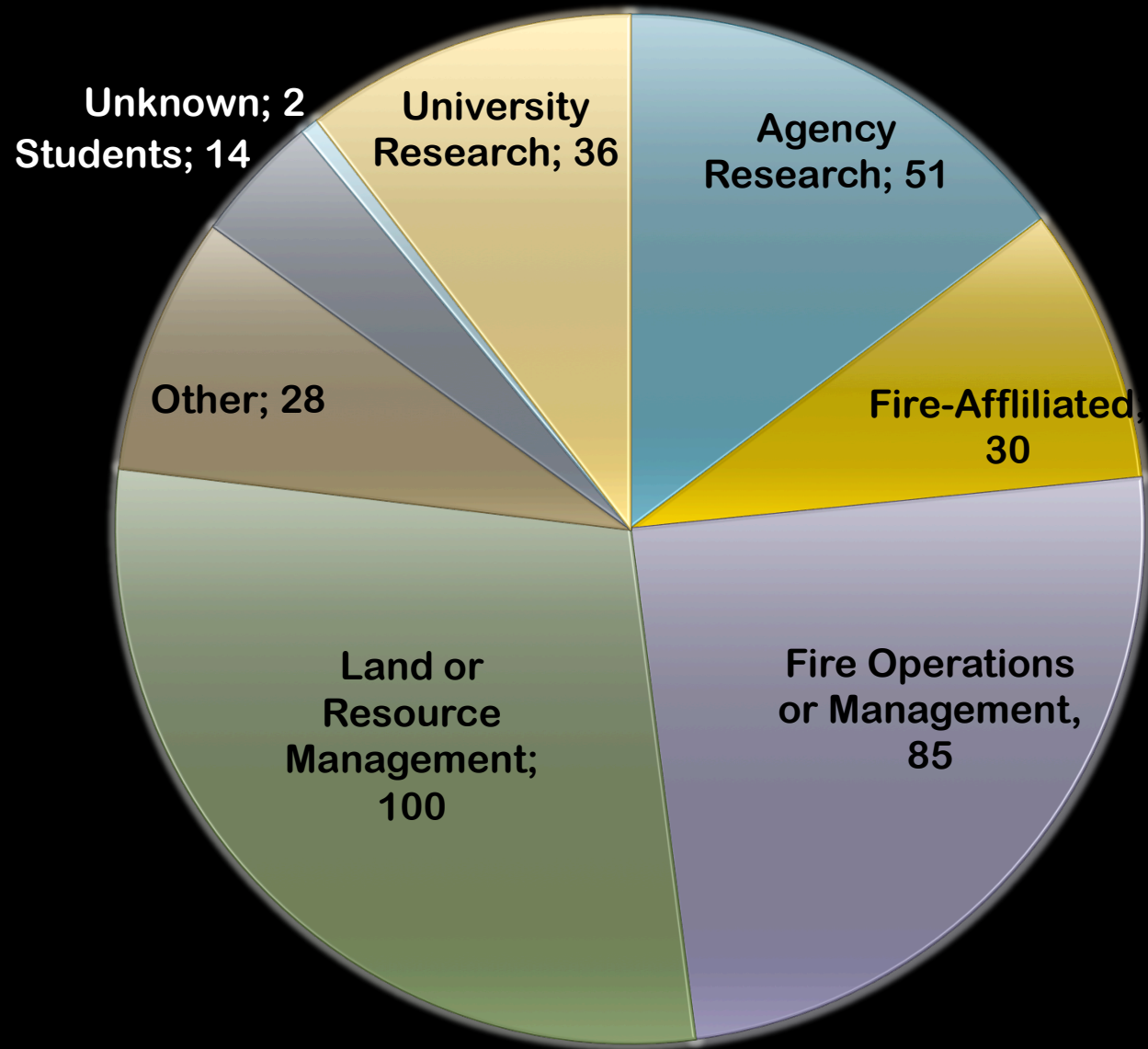
- 2011-2013 Alaska Research Needs List
- Fire Behavior Modeling Discussion Group
 - ❖ Tools/Applications Webinar series
 - ❖ Conversion Date Forecast Using Climate Variables (with FWS)
- Fire Effects in Tundra—NASA
- Military Training Lands--SERDP: **Identifying Indicators of State Change and Forecasting Future Vulnerability in Alaskan Boreal Ecosystems**



Here's what else we're doing:

- ◉ Newsletter, blog, Facebook
- ◉ Update Alaska fire research plots map & database
- ◉ Find & distribute science relevant to fire mgmt
- ◉ Paul Duffy Seasonal FC will be up in April & History of previous FC's
- ◉ Fall Fire Science Workshop
- ◉ Field trips with managers/scientists?
- ◉ **AFSC Advisory Board Meeting and Manager-Scientist Social**

Composition of List-Serve



Breakdown By Agency from 2012 Report, Jen Northway

Agency Type	Number
• BIA	2
• BLM	80
• Cities/Local Communities	5
• Company	5
• Consulting	2
• Counties/Boroughs/Parishes	4
• DOD	4
• Fire Learning Network/Nature Conservancy	2
• Foreign Organization/Individual	22
• FWS	28
• NGO	2
• NOAA/NWS	5
• NPS	19
• Private Landowner	6
• State	59
• Tribal	8
• University and College Students	8
• University/College Faculty or Researchers	38
• USFS	16
• USFS - Research	22
• USGS	6
• Grand Total	343

Oct 2012 Alaska Workshop Evaluation

